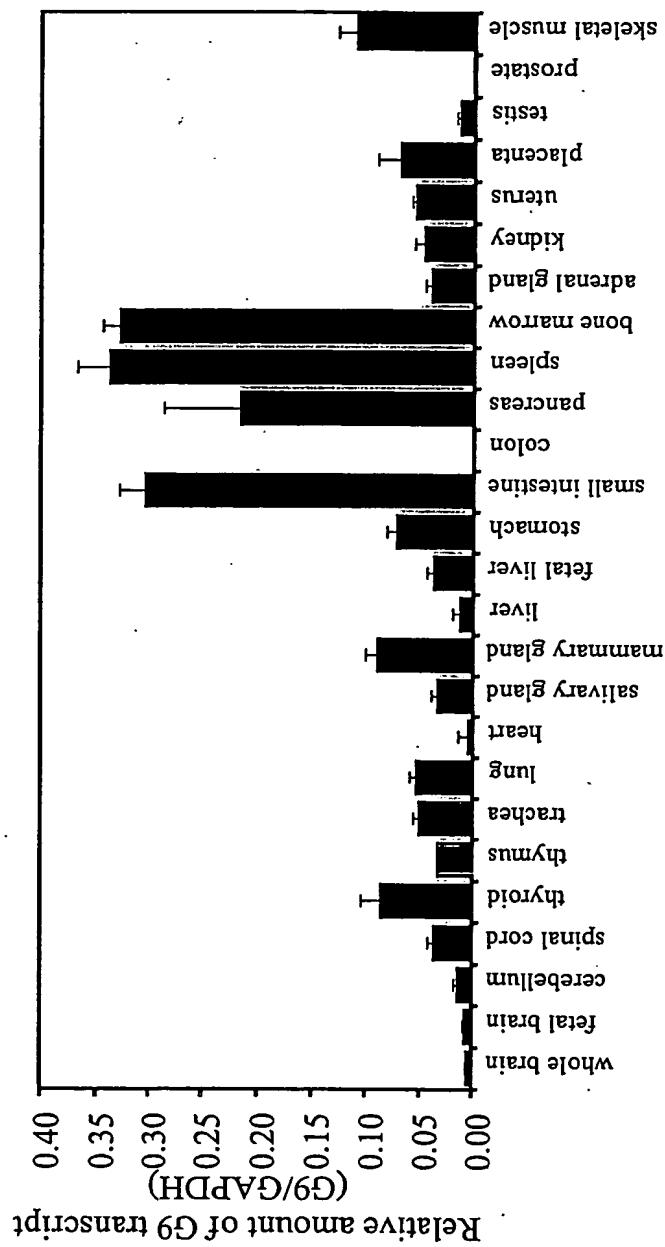


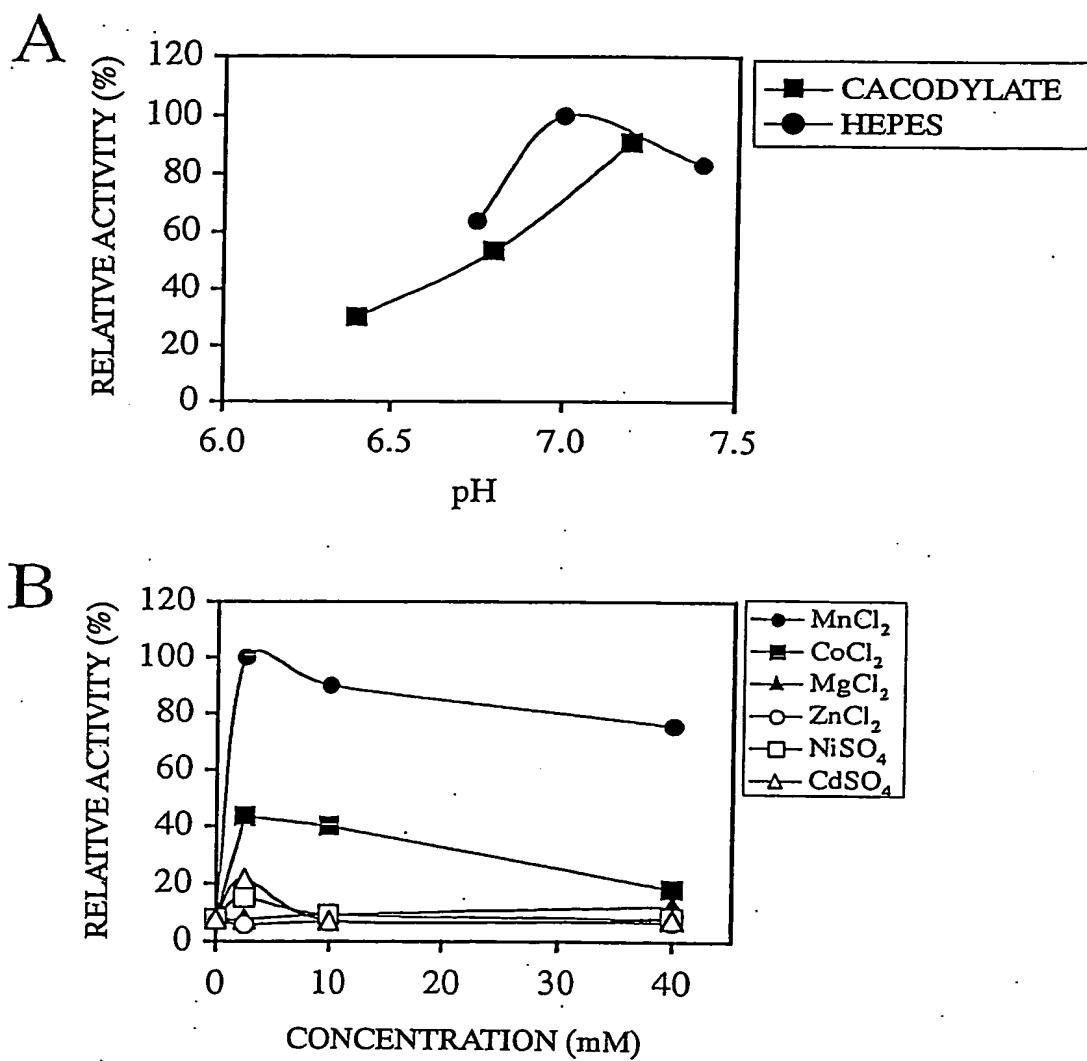
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Figure 1



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Figure 2



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Figure 3

SUBSTRATE (PA-SUGAR)	UDP-GLUCOSAMINE-TRANSFERRING EFFICIENCY (%)	
	β 3GnT2	G9
PA-001 Gal β 1-4GlcNAc β 1-2Man α 1 Gal β 1-4GlcNAc β 1-2Man α 1	100	ND
PA-002 Gal β 1-4GlcNAc β 1-2Man α 1 Gal β 1-4GlcNAc β 1- Gal β 1-4GlcNAc β 1-	100	ND
PA-004 Gal β 1-4GlcNAc β 1- Gal β 1-4GlcNAc β 1- Gal β 1-4GlcNAc β 1- Gal β 1-4GlcNAc β 1-	100	14.7
PA-009 Gal β 1-4GlcNAc β 1-2Man α 1 Gal β 1-4GlcNAc β 1-2Man α 1	100	ND
PA-010 Gal β 1-4GlcNAc β 1-2Man α 1 Gal β 1-4GlcNAc β 1- Gal β 1-4GlcNAc β 1-	100	ND
PA-011 Gal β 1-4GlcNAc β 1- Gal β 1-4GlcNAc β 1- Gal β 1-4GlcNAc β 1- Gal β 1-4GlcNAc β 1-	100	8.9
PA-016 Man α 1- Man α 1-	ND	ND

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Figure 4

